

Substitute for Form 1449 A &amp; B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANTS**

(use as many sheets as necessary)

Sheet

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of

1

**Complete if Known**

Application Number	10/712,530
Confirmation Number	8673
Filing Date	November 17, 2003
First Named Inventor	Shigeo KOMATSU
Art Unit	1745
Examiner Name	Not Yet Assigned
Attorney Docket Number	Q78179

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
ajm		US 4,092,464		05-30-1978	DEY et al.
		US			
		US			
		US			
		US			
		US			
		US			
		US			
		US			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
ajm		WO	86-03060	A	05-22-1986	Matsushita Electric Ind Co Ltd	Abstract
		EP	0 862 230	A2	09-02-1998	Mitsubishi Denki KK	
		EP	0 862 227	A1	09-02-1998	Sony Corporation	
		EP	0 983 145	A2	08-25-1999	Sony Corporation	

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
ajm		Patent Abstracts of Japan: vol. 1997, no. 11, November 18, 1997: JP 9-199099A, (Japan Storage Battery Co., Ltd.), July 31, 1997.	

Examiner Signature

ajm


Date Considered



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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

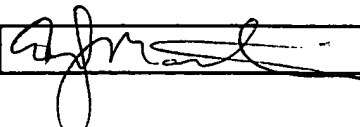
<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or in the comment box of this document. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.

Substitute for Form 1449 A & B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Divisional of Appln. No.	09/582,868
				Confirmation Number	Not Yet Assigned
				Filing Date	November 14, 2003
				First Named Inventor	Shigeo KOMATSU
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	Q78179

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US 4,997,732		03-05-1991	Austin et al.
		US 6,461,757	B1	10-08-2002	Sasayama et al.
		US			
		US			
		US			
		US			
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		US			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		JP	9-213285	A	08-15-1997		
		JP	8-83596	A	03-26-1996		
		JP	10-270072		10-09-1998		
		JP	10-157008		06-16-1998		
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		JP	11-312505		11-09-1999		
		JP	5-159803	A	06-25-1993		
		JP	P3240650	B2	06-25-1993		
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		JP	10-241744	A	09-11-1998		
		JP	11-204088	A	07-30-1999		
		JP	11-219689	A	08-10-1999		
		JP	11-265732	A	09-28-1999		

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Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>

Examiner Signature		Date Considered	1/06
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or in the comment box of this document. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.